

**Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings of claims in the application:

**Listing of Claims:**

1. (Currently amended) A commercial-scale production method of sialylating a saccharide group on a recombinant glycoprotein, the method comprising contacting a saccharide group which comprises a galactose or N-acetylgalactosamine acceptor moiety on a recombinant glycoprotein with a sialic acid donor moiety and a recombinant ST3Gal I sialyltransferase in a reaction mixture which provides reactants required for sialyltransferase activity for a sufficient time and under appropriate conditions to transfer sialic acid from said sialic acid donor moiety to said saccharide group.
2. (Original) The method of claim 1, wherein the sialic acid donor moiety is CMP-sialic acid.
3. (Original) The method of claim 2, wherein the CMP-sialic acid is enzymatically generated *in situ*.
4. (Original) The method of claim 1, wherein the sialyltransferase is a recombinant eukaryotic sialyltransferase which substantially lacks a membrane-spanning domain.
5. (Currently amended) The method of claim 1, wherein the sialyltransferase includes a sialyl motif which has an amino acid sequence that is at least about 40% identical to a sialyl motif from a sialyltransferase selected from the group consisting of an ST3Gal I sialyltransferase, ST6Gal I, and ST3Gal III.
- 6-20. (Cancelled)

21. (Original) The method of claim 1, wherein the sialyltransferase is produced by recombinant expression of a sialyltransferase in a host cell selected from the group consisting of an insect cell, a mammalian cell, and a fungal cell.

22. (Original) The method of claim 21, wherein the host cell is an *Aspergillus niger* cell.

23-58. (Cancelled)

59. (Previously presented) A commercial-scale production method for sialylation of saccharide groups on a glycoprotein, said method comprising contacting said saccharide groups with a ST3Gal I sialyltransferase, a sialic acid donor moiety, and other reactants required for sialyltransferase activity for a sufficient time and under appropriate conditions to transfer sialic acid from said sialic acid donor moiety to said saccharide group, and wherein ~~at least about 80% of the saccharide groups are sialylated~~ a greater percentage of terminal galactose residues are sialylated compared to an unaltered glycoprotein.

60. (New) The method of claim 59, wherein at least 80% of the terminal galactose residues present on the glycoprotein are sialylated.

61. (New) The method of claim 60, wherein at least 90% of the terminal galactose residues present on the glycoprotein are sialylated.